

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JAN 1 1 2002

PATENT & TRADEMARK OFFICE

Applicant(s): Borrelli et al.**Serial No.:** 09/954,500**Filed:** September 17, 2001**For:** Direct Writing Of Optical Devices In
Silica-Based Glass Using Femtosecond
Pulse LasersAssistant Commissioner for Patents
Washington, DC 20231**COMBINED
CERTIFICATE UNDER
37 C.F.R. § 3.73(b)
and****POWER OF ATTORNEY****CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

CORNING INCORPORATED, a New York corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. A true copy of the unrecorded Assignment is attached hereto.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**POWER OF ATTORNEY BY ASSIGNEE**

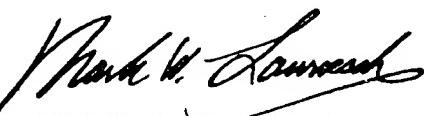
CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled **DIRECT WRITING OF OPTICAL DEVICES IN SILICA-BASED GLASS USING FEMTOSECOND PULSE LASERS** and executed by Nicholas F. Borrelli, Charlene M. Smith on October 25, 2001 and October 30, 2001, respectively, appoints the practitioners associated with the Customer Number provided below (i.e., the practitioners associated with the Patent Department, Corning Incorporated) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Please direct all correspondence to Thomas Ryan at the address associated with that Customer Number.

Customer Number: 29988

CORNING INCORPORATED

Date: November 1, 2001

By _____


Mark W. Lauroesch
Assistant Secretary

COPY**ASSIGNMENT**

FOR VALUE RECEIVED, I, as a below named inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **Direct Writing of Optical Devices In Silica-Based Glass Using Femtosecond Pulse Lasers**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE	October 25, 2001
DATE	October 30, 2001
DATE	October 25, 2001
DATE	October 30, 2001

and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at Corning, NY, this

10/25/01

Date

Nicholas F. Borrelli

Nicholas F. Borrelli

10/30/01

Date

Joseph F. Schroeder

Joseph F. Schroeder

10/25/01

Date

Charlene M. Smith

Charlene M. Smith

10-30-01

Date

Alexander Streltsov

Alexander Streltsov

State of New York)

: ss.

County of Steuben)

On the 25th day of October 2001, before me personally came Nicholas F. Borrelli known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Colleen E. Doherty

Notary Public

COLLEEN E. DOHERTY

Notary Public, State of New York

Qualified In Steuben County No. 01DO6040673

My Commission Expires April 24, 2002

State of New York)

: ss.

County of Steuben)

On the 30th day of October 2001, before me personally came Joseph F. Schroeder known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Colleen E. Doherty

Notary Public

COLLEEN E. DOHERTY

Notary Public, State of New York

Qualified In Steuben County No. 01DO6040673

My Commission Expires April 24, 2002

State of New York)

: ss.

County of Steuben)

On the 25th day of October 2001, before me personally came Charlene M. Smith known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Colleen E. Doherty

Notary Public

COLLEEN E. DOHERTY

Notary Public, State of New York

Qualified In Steuben County No. 01DO6040673

My Commission Expires April 24, 2002

State of New York)

: ss.

County of Steuben)

On the 30th day of October 2001, before me personally came Alexander Streltsov known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Colleen E. Doherty

Notary Public

COLLEEN E. DOHERTY

Notary Public, State of New York

Qualified In Steuben County No. 01DO6040673

My Commission Expires April 24, 2002

ASSIGNMENT

For good and valuable consideration, the ASSIGNOR(S):

Alexander Streltsov, 137 Field Street, Apt. #2, Corning, New York, 14830;

Nicholas F. Borrelli, 935 West Water Street, Elmira, New York, 14905;

Charlene M. Smith, 222 Watauge Avenue, Corning, New York, 14830; and

Joseph F. Schroeder III, 8769 Stevens Road, Lindley, New York, 14858;

hereby assign(s) to the ASSIGNEE:

Corning Incorporated, One River Front Plaza, Corning, New York, 14831, a New York corporation,

the full and exclusive right, title, and interest

to the invention disclosed in United States Patent Application entitled

**DIRECT WRITING OF OPTICAL DEVICES IN SILICA-BASED GLASS USING
FEMTOSECOND PULSE LASERS**

and to all Letters Patent or similar legal protections throughout the world resulting from the application or any substitute or related applications disclosing common subject matter.

ASSIGNOR(S) guarantee(s) that no assignment, license, or encumbrance has been or will be made that would conflict with this Assignment.

ASSIGNOR(S) agree(s) to cooperate fully in obtaining and enforcing the Letters Patent or similar protections, including communicating any relevant information, signing any lawful and relevant documents, and, at the request and expense of the **ASSIGNEE**, testifying in any legal proceedings.

T00XT60-D00945650

ASSIGNOR(S) hereby authorize and request the attorneys/agents of the
ASSIGNEE to indicate here the execution date(s) of this patent application on

to comply with
37 CFR §3.21 for recordal of this Assignment.

TOP SECRET//
2025 RELEASE UNDER E.O. 14176

Alexander Strelsov, Inventor

Date

Witness

Date

Nicholas F. Borrelli, Inventor

Date

Witness

Date

Charlene M. Smith, Inventor

Date

Witness

Date

Joseph F. Schroeder III, Inventor

Date

Witness

Date